

Docket No. AUS920031029US1

ABSTRACT OF THE DISCLOSURE

METHOD AND APPARATUS FOR MANAGING POWER AND THERMAL ALERTS TRANSPARENTLY TO AN OPERATING SYSTEM IN A DATA PROCESSING SYSTEM WITH INCREASED GRANULARITY IN REDUCING POWER USAGE AND THERMAL GENERATION

A method, apparatus, and computer instructions for managing a set of devices in the data processing system. An alert is received through an external alert mechanism. The alert is at least one of a power alert and a thermal alert. In response to the alert, operation of a selected device within the set of devices is altered such that at least one of power usage and generation of heat by the selected device is reduced or restored to normal operation. The mapping of the reduced physical resources to logical resources is performed with no operating system intervention.